## Abstract

Methods and corresponding compounds for generating adenoviral vectors. One such method entails a method for generating an adenoviral vector comprising welding together two nucleic acid molecules wherein the molecules comprise partially overlapping sequences capable of combining with each other allowing the generation of a physically linked nucleic acid comprising at least two functional adenovirus inverted terminal repeats, a functional encapsulation signal and a nucleic acid of interest or functional parts, derivatives and/or analogues thereof. Further disclosed are nucleic acid molecules for generating adenoviral vectors.